

## Section 9: Coal

	Cen- sus use only	40 column 1 <b>Anthracite</b> -	41 column 2 <b>Bituminous and Subbituminous Coal</b> -	42 column 3 <b>Lignite</b> -
<b>84.</b> Was this energy source (column) either purchased or consumed in this establishment during 1998?	000	1 9 Yes Go to question 85	1 9 Yes Go to question 85	1 9 Yes Go to question 85
		2 9 No Go to next column	2 9 No Go to next column	2 9 No Go to question 92, next page
<b>85.</b> Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.  Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).  Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.	010	<input type="text"/> Short Tons	<input type="text"/> Short Tons	<input type="text"/> Short Tons
<b>86.</b> Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 85.  Include all expenditures regardless of when payment was made.	020	\$ <input type="text"/> U.S. Dollars	\$ <input type="text"/> U.S. Dollars	\$ <input type="text"/> U.S. Dollars
<b>87.</b> Enter total quantity of transfers in and central purchases received in this establishment in 1998.  Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.  Exclude quantities reported in question 85.	030	<input type="text"/> Short Tons	<input type="text"/> Short Tons	<input type="text"/> Short Tons
<b>88.</b> Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).	040	<input type="text"/> Short Tons	<input type="text"/> Short Tons	<input type="text"/> Short Tons

Continue to next page

## Section 9: Coal, cont.

Cen-  
sus  
use  
only

40  
column 1

41  
column 2

42  
column 3

**Anthracite**

**Bituminous and  
Subbituminous**

**Lignite**

-

-

-

- 89.** Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.

060

Short Tons

Short Tons

Short Tons

Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.

- 90.** Enter quantity consumed for any purpose other than fuel use at this establishment in 1998.

070

Short Tons

Short Tons

Short Tons

Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.

Exclude all offsite dispositions such as sales and transfers to other establishments.

**Go to question 84,  
next column**

**Go to question 84,  
next column**

**Go to question 92**

- 91.** < Answer questions 84 through 90 for all energy sources (columns).

< Then go to question 92.

- 92.** Sum the quantities reported for all three types of coal in question 89 to provide the total amount of coal consumed as a fuel in this establishment in 1998.  
(If none, enter zero.)

46060

**Total Coal**

Short Tons

**Copy to question 134,  
column 3, page 33**

**P** Copy this quantity to question 134, column 3, page 33.

**Go to Section 10, next page**

< Go to question 93, Section 10, next page.

## Section 10: Breeze and Coal Coke

Census  
use only

44  
**Breeze**  
—

43  
**Coal Coke**  
—

- 93.** Report quantities in this section in short tons.  
One short ton equals 2,000 pounds.

- 94.** Was this energy source (column) either purchased or consumed in this establishment during 1998? 000

**9** Yes  
Go to question 95

**9** Yes  
Go to question 95

**9** No  
Go to next column

**9** No  
Go to Section 11,  
page 27

- 95.** Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made. 010

Short Tons

Short Tons

Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).

Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.

- 96.** Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 95. 020

U.S. Dollars

U.S. Dollars

Include all expenditures regardless of when payment was made.

- 97.** Enter total quantity of transfers in and central purchases received in this establishment in 1998. 030

Short Tons

Short Tons

Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.

Exclude quantities reported in question 95.

Continue to next page

## Section 10: Breeze and Coal Coke, cont.

Census  
use only

44  
**Breeze**  
—

43  
**Coal Coke**  
—

**98.** Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).

040

  
Short Tons

  
Short Tons

**99.** Does the quantity reported in question 98 represent the product or byproduct of another energy source consumed onsite?

050

1 **9** Yes, product or byproduct  
2 **9** No

1 **9** Yes, product or byproduct  
2 **9** No

**100.** Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.

060

  
Short Tons

  
Short Tons

Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.

Include fuel consumed by vehicles intended primarily for use onsite, e.g., forklifts, intra-plant shuttles, loaders and other materials-handling equipment operated solely within the boundaries of the establishment site.

**101.** Enter quantity consumed for any purpose other than fuel use at this establishment in 1998.

070

  
Short Tons

  
Short Tons

Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.

Exclude all offsite dispositions such as sales and transfers to other establishments.

**Go to question 94, next column**

**Go to Section 11, next page**

**102.** < Answer questions 94 through 101 for both energy sources (columns).

< Then go to question 103, Section 11, next page.

## Section 11: Wood

	83	84	72
	<b>Wood Harvested Directly from Trees</b> (e.g., roundwood, wood chips, tree bark)	<b>Wood Residues and Byproducts from Mill Processing</b> (e.g., sawdust, shavings, slabs)	<b>Wood/Paper- related Refuse</b> (e.g., scrap, wastepaper, wood pallets, packing materials)
Cen- sus use only	—	—	—

**103.** Report quantities in this section in millions of British thermal units (Btu).

See the conversion factors for wood on page 4 of this questionnaire.

**104.** Was this energy source (column) either purchased or consumed in this establishment during 1998?

000	<input type="text" value="1 9 Yes"/> Go to question 105	<input type="text" value="1 9 Yes"/> Go to question 105	<input type="text" value="1 9 Yes"/> Go to question 105
	<input type="text" value="2 9 No"/> Go to next column	<input type="text" value="2 9 No"/> Go to next column	<input type="text" value="2 9 No"/> Go to Section 12, page 29

**105.** Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.

010	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Million Btu	Million Btu	Million Btu

Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).

Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.

**106.** Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 105.

020	<input type="text" value="\$"/>	<input type="text" value="\$"/>	<input type="text" value="\$"/>
	U.S. Dollars	U.S. Dollars	U.S. Dollars

Include all expenditures regardless of when payment was made.

Continue to next page

## Section 11: Wood, cont.

	Cen- sus use only	83 <b>Wood Directly from Trees</b> -	84 <b>Wood Residues and Byproducts</b> -	72 <b>Wood/Paper-related Refuse</b> -
<b>107.</b> Enter total quantity of transfers in and central purchases received in this establishment in 1998.  Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.  Exclude quantities reported in question 105.	030	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu
<b>108.</b> Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).  Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.	040	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu
<b>109.</b> Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.  Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.	060	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu
<b>110.</b> Enter quantity consumed for any purpose <u>other than fuel use</u> at this establishment in 1998.  Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.  Exclude all offsite dispositions such as sales and transfers to other establishments.	070	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu	<div style="border: 1px solid black; height: 20px; width: 100%;"></div> Million Btu
		Go to question 104, next column	Go to question 104, next column	Go to Section 12, next page
<b>111.</b> < Answer questions 104 through 110 for all energy sources (columns).  < Then go to question 112, Section 12, next page.				

## Section 12: Agricultural Waste and Waste Oils & Tars

	90	71
Census use only	<b>Agricultural Waste</b> (e.g., bagasse, rice hulls, nut shells, orchard prunings)	<b>Waste Oils and Tars</b>
	—	—

**112.** Report quantities in this section in millions of British thermal units (Btu).

See the conversion factors on page 4 of this questionnaire.

**113.** Was this energy source (column) either purchased or consumed in this establishment during 1998? 000

Go to question 114

Go to question 114

Go to next column

Go to Section 13,  
page 31

**114.** Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made. 010

Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).

Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.

Million Btu

Million Btu

**115.** Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 114. 020

Include all expenditures regardless of when payment was made.

U.S. Dollars

U.S. Dollars

**116.** Enter total quantity of transfers in and central purchases received in this establishment in 1998. 030

Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.

Exclude quantities reported in question 114.

Million Btu

Million Btu

Continue to next page

## Section 12: Agricultural Waste and Waste Oils & Tars, cont.

	Census use only	90 <b>Agricultural Waste</b> —	71 <b>Waste Oils and Tars</b> —
<b>117.</b> Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).	040	<input type="text"/> Million Btu	<input type="text"/> Million Btu
<b>118.</b> Does the quantity reported in question 117 represent the product or byproduct <u>of another energy source consumed onsite?</u>	050	<div style="border: 1px solid black; padding: 5px;"> <p>19 Yes, product or byproduct</p> <p>29 No</p> </div>	
<b>119.</b> Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.  Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.	060	<input type="text"/> Million Btu	<input type="text"/> Million Btu
<b>120.</b> Enter quantity consumed for any purpose <u>other than fuel use</u> at this establishment in 1998.  Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.  Exclude all offsite dispositions such as sales and transfers to other establishments.	070	<input type="text"/> Million Btu	<input type="text"/> Million Btu
		<b>Go to question 113, next column</b>	<b>Go to Section 13, next page</b>
<b>121.</b> < Answer questions 113 through 120 for both energy sources (columns).  < Then go to question 122, Section 13, next page.			



## Section 13: Other Energy Sources (not specified elsewhere)

	Cen- sus use only 000	91 <b>Other Energy Source # 1</b> -	93 <b>Other Energy Source # 2</b> -	95 <b>Other Energy Source # 3</b> -
<b>122.</b> Are there any other additional energy sources (fuels) purchased or consumed in this establishment in 1998 that have not been listed in previous sections?		19 Yes Go to question 123	19 Yes Go to question 123	19 Yes Go to question 123
		29 No Go to Section 14, page 33	29 No Go to Section 14, page 33	29 No Go to Section 14, page 33
<b>123.</b> Specify the name of any energy source purchased or consumed in this establishment that has not been previously listed.  In addition, specify the units (e.g., gallons, million Btu, cubic feet, etc.) you are using to report this energy source.	980	_____ Energy Source	_____ Energy Source	_____ Energy Source
	981	_____ Units	_____ Units	_____ Units
<b>124.</b> Enter quantity purchased by, and delivered to, this establishment in 1998, regardless of when payment was made.  Include quantities that were purchased for any onsite use, e.g., process heating or cooling, building heating or cooling, machine drive, or as raw material input to any manufacturing operation (feedstock).  Exclude quantities: 1) purchased centrally within your company, 2) delivered from other establishments of your company, or 3) for which payment was made in-kind.	010	_____ Units	_____ Units	_____ Units
<b>125.</b> Enter total expenditures, including taxes and delivery charges, for the quantity reported in question 124.  Include all expenditures regardless of when payment was made.	020	\$ _____ U.S. Dollars	\$ _____ U.S. Dollars	\$ _____ U.S. Dollars
<b>126.</b> Enter total quantity of transfers in and central purchases received in this establishment in 1998.  Include quantities: 1) delivered from any other establishment(s) in your company, 2) transferred from other establishments of your company for which payment was not made, 3) purchased centrally within your company, separate from this establishment, or 4) for which payment was made in-kind.  Exclude quantities reported in question 124.	030	_____ Units	_____ Units	_____ Units

Continue to next page

## Section 13: Other Energy Sources, cont.

	Cen- sus use only	91 Other Energy Source # 1	93 Other Energy Source # 2	95 Other Energy Source # 3
<b>127.</b> Enter quantity that was both produced onsite in 1998 as a product, a byproduct, or a waste material, and was at least partially consumed onsite (as a fuel or nonfuel).	040	<input type="text"/> Units	<input type="text"/> Units	<input type="text"/> Units
<b>128.</b> Does the quantity reported in question 127 represent the product or byproduct of <u>another energy source consumed onsite</u> ?	050	<div>1 9 Yes, product or byproduct</div> <div>2 9 No</div>	<div>1 9 Yes, product or byproduct</div> <div>2 9 No</div>	<div>1 9 Yes, product or byproduct</div> <div>2 9 No</div>
<b>129.</b> Enter quantity consumed as a fuel for the production of heat, steam, power, or the generation of electricity onsite at this establishment in 1998.	060	<input type="text"/> Units	<input type="text"/> Units	<input type="text"/> Units
<p>Include all process uses such as process heating, process cooling, and machine drive and all nonprocess uses such as facility heating, ventilation and air conditioning.</p> <p>Include fuel consumed by vehicles intended primarily for use onsite, e.g., forklifts, intra-plant shuttles, loaders and other materials-handling equipment operated solely within the boundaries of the establishment site.</p>				
<b>130.</b> Enter quantity consumed for any purpose <u>other than fuel use</u> at this establishment in 1998.	070	<input type="text"/> Units Go to question 122, next column	<input type="text"/> Units Go to question 122, next column	<input type="text"/> Units Go to Section 14, next page
<p>Include all quantities consumed as lubricants, solvents, or as feedstocks, raw materials, additives, or ingredients for products manufactured by this establishment.</p> <p>Exclude all offsite dispositions such as sales and transfers to other establishments.</p>				
<b>131.</b>		<p>&lt; Answer questions 122 through 130 for any additional energy sources (columns).</p> <p>&lt; Then go to question 132, Section 14, next page.</p>		